010405

Practitioner's Docket No. 22046/09005

CHAPTER II

Preliminary Classification:		
Proposed Class:		
Subclass:		

TRANSMITTAL LETTER TO THE UNITED STATES ELECTED OFFICE (EO/US) (ENTRY INTO U.S. NATIONAL PHASE UNDER CHAPTER II)

PCT/KR2003/001202

18 June 2003 (18.06.03)

08 July 2002 (8.07.02)

International Application No.

International Filing Date

Priority, Date Claimed

SINTERED BODY WITH HIGH HARDNESS FOR CUTTING CAST IRON AND THE METHOD FOR PRODUCING SAME

Title of Invention

PARK, Hee-Sub and RYOO, Min-Ho

Applicant(s)

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTENTION: EO/US

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- I. Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. § 371:
 - a. This express request to immediately begin national examination procedures (35 U.S.C. § 371(f)).
 - b. The U.S. National Fee (35 U.S.C. § 371(c)(1)) and other fees (37 C.F.R. § 1.492) as indicated below:

2. Fees

CLAIMS FEE*	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE		(4) RATE	(5) CALCULA- TIONS
	TOTAL CLAIMS	10 - 20 =	0	х	\$	50.00 =	\$0.00
	INDEPENDENT CLAIMS	2 - 3=	0	х	\$	200.00 =	0.00
	MULTIPLE DEPE	NDENT CLAIM(S) (if applicable)	+	\$	360.00	\$0.00
BASIC FEE	U.S. PTO WAS NOT INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY						
	Where no international preliminary examination fee as set forth in § 1.482 has been paid to the U.S. PTO, and payment of an international search fee as set forth in Section 1.445(a)(2) to the U.S. PTO:						
	has not been paid (37 C.F.R. § 1.492(a)(3))\$1,000.00						1,000.00
			Total of above Calculations				= 1,000.00
SMALL ENTITY						nust be made.	- 0.00
		1,000.00					
	Total National Fee						\$1,000.00
	Fee for recording the enclosed assignment document \$40.00 (37 C.F.R. § 1.21(h)). See Item 13 below). See attached "ASSIGNMENT COVER SHEET".						0.00
TOTAL	Total Fees enclosed				\$1,000.00		

Attached is a check in the amount of \$1,000.00.

Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate copy of this sheet is enclosed.

- 3. A Preliminary Amendment is transmitted herewith.
- 4. A copy of the International application as filed (35 U.S.C. § 371(c)(2)) is transmitted herewith.
- A translation of the International application into the English language (35 U.S.C. § 371(c)(2)) is not required as the application was filed in English.
- 6. An oath or declaration of the inventor (35 U.S.C. § 371(c)(4)) complying with 35 U.S.C. § 115 will follow.
- **II.** Other document(s) or information included:
- 7. An International Search Report (PCT/ISA/210) or Declaration under PCT Article 17(2)(a) is transmitted herewith.
- 8. An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98 will be transmitted within THREE MONTHS of the date of submission of requirements under 35 U.S.C. § 371(c).
- **9.** Additional documents:
 - a. International Publication No. WO 2004/004954 A1
 - 1. Specification, claims and drawing
 - b. 1. PCT/IB/301
 - 2. PCT/IB/304
 - 3. PCT/ISA/220
 - 4. PCT/IB/308
 - c. 1. Patent Application Data Sheet (PADS 4 pages)

10. The above items are being transmitted before 30 months from any claimed priority date.

Date: January 4, 2005

Reg. No.: 35,124

Tel. No.: 864-250-2238

Fax No.: 803-255-9831 Customer No.: 27530 Signature of Practitioner

Charles E. Dunlap

Nelson Mullins Riley & Scarborough LLP

P. O. Box 11070 Columbia, SC 29211

PTO/SB/17 (12-04v2) ough 07/31/2006. OMB 0651-0032 Approved for a U.S. Patent and Trademark Office DEPARTMENT OF COMMERCE as are required to respond to a collection of information unle Under the Panerwork Reduction Act of 1995 olavs a valid OMB control number Complete if Known Effective on 12/08/2004 Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). Not yet assigned **Application Number TRANSMITTAL** Filing Date Herewith. For FY 2005 Hee-Sub Park et al. First Named Inventor **Examiner Name** Not yet assigned. Applicant claims small entity status. See 37 CFR 1.27 Art Unit Not yet assigned. **TOTAL AMOUNT OF PAYMENT** 1.000.00 Attorney Docket No. 22046/09005 METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order None Other (please identify): Deposit Account Deposit Account Number: Deposit Account Name: For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES **FILING FEES** SEARCH FEES **EXAMINATION FEES Small Entity Small Entity** Small Entity **Application Type** Fee (\$) Fees Paid (\$) Fee (\$) Fee (\$) <u>Fee (\$)</u> Fee (\$) Fee (\$) Utility 300 150 500 250 200 100 1,000.00 Design 200 100 100 50 130 65 Plant 200 100 300 160 150 80 Reissue 300 150 500 250 600 300 200 Provisional 100 0 0 0 0 2. EXCESS CLAIM FEES Small Entity **Fee Description** Fee (\$) <u>Fee (\$)</u> Each claim over 20 (including Reissues) 50 25 Each independent claim over 3 (including Reissues) 200 100 Multiple dependent claims 360 180 **Total Claims Extra Claims** Fee (\$) Fee Paid (\$) Multiple Dependent Claims __ - 20 or HP = 0 Fee (\$) Fee Paid (\$) HP = highest number of total claims paid for, if greater than 20. Extra Claims Fee (\$) Fee Paid (\$) 2 - 3 or HP = ____ x 200.00 .00_ HP = highest number of independent claims paid for, if greater than 3. 3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer

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SUBMITTED BY		\mathcal{O}^{I}			**		
Signature	11	ILE.	++~	1	Registration No. (Attorney/Agent) 35,124	Telephone 864-250-2238	
Name (Print/Typ	oe) Charle	es E. D	ounlap, Esq.	n -		Date January 4, 2005	

listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50

Number of each additional 50 or fraction thereof

(round up to a whole number) x

Fee (\$)

Fee Paid (\$)

.00

Fees Paid (\$)

.00

sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Extra Sheets

Non-English Specification, \$130 fee (no small entity discount)

<u>Total Sheets</u>

Other (e.g., late filing surcharge):

4. OTHER FEE(S)

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ec'd PCT/PTO 0 4

Practitioner's Docket No. 22046/09005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

HEE-SUB PARK and MIN-HO RYOO

Application No.: Not yet assigned.

Group No.: Not yet assigned.

Filed: Herewith.

Examiner: Not yet assigned.

For:

SINTERED BODY WITH HIGH HARDNESS FOR CUTTING

CAST IRON AND THE METHOD FOR PRODUCING SAME

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EXPRESS MAIL CERTIFICATE

"Express Mail" label number EL 600633615 US Date of Deposit 01/04/2005

I hereby state that the following attached paper or fee

- 1. Fee Transmittal (2 pages original and copy)
- 2. Transmittal Letter to the United States Elected Office (EO/US)(Entry Into U.S. National Phase Under Chapter II) (3 pages – original and copy)
- 3. Preliminary Amendment (4 pages)
- 4. PCT Application No.: PCT/KR2003/001202 (specification, claims, abstract 16 pages) and Drawings (2 sheets)
- 5. Form PCT/IB/301 (2 pages)
- 6. Form PCT/IB/304 (1 page)
- 7. Form PCT/IB/308 (1 page)
- 8. Form PCT/ISA/220 (1 page)
- 9. Form PCT/ISA/210 (3 pages)
- 10. Copy of PCT Publication No. WO 2004/004954 A1 (19 pages)
- 11. Patent Application Data Sheet (4 pages)
- 12. Check in the amount of \$1,000.00
- 13. Return Receipt Postcard

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The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- A record from this system of records may be disclosed, as a routine use, in the course of
 presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to
 opposing counsel in the course of settlement negotiations.
- A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.